

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number:

10/S23,306A

Source:

EFTM

Date Processed by STIC:

11/24/06

# **ENTERED**



IFWO

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006

TIME: 13:31:47

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt

Output Set: N:\CRF4\11242006\J523306A.raw

3 <110> APPLICANT: VALMORI, Danila  
 4 AYYOUB, Maha  
 5 PINILLA, Clemencia  
 7 <120> TITLE OF INVENTION: Isolated, SSX-2 and SSX-2 Related Peptides Useful as HLA Binders  
 8 and CTL Epitopes, and Uses Thereof  
 10 <130> FILE REFERENCE: LUD 5739 PCT  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,306A  
 C--> 12 <141> CURRENT FILING DATE: 2005-01-31  
 12 <150> PRIOR APPLICATION NUMBER: PCT/US2003/023306  
 13 <151> PRIOR FILING DATE: 2003-07-23  
 15 <150> PRIOR APPLICATION NUMBER: 60/400,076  
 16 <151> PRIOR FILING DATE: 2002-07-31  
 18 <160> NUMBER OF SEQ ID NOS: 116  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 9  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
 30 <400> SEQUENCE: 1  
 32 Ala Ala Ala Pro Lys Ile Phe Tyr Ala  
 33 1 5  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 9  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Artificial sequence  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
 44 <400> SEQUENCE: 2  
 46 Ala Ala Gly Pro Lys Ile Phe Tyr Ala  
 47 1 5  
 50 <210> SEQ ID NO: 3  
 51 <211> LENGTH: 9  
 52 <212> TYPE: PRT  
 53 <213> ORGANISM: Artificial sequence  
 55 <220> FEATURE:  
 56 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
 58 <400> SEQUENCE: 3  
 60 Ala Ala Ala Ala Lys Ile Phe Tyr Ala  
 61 1 5  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 9

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006  
TIME: 13:31:47

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

66 <212> TYPE: PRT  
67 <213> ORGANISM: Artificial sequence  
69 <220> FEATURE:  
70 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
72 <400> SEQUENCE: 4  
74 Ala Ala Ala Pro Ala Ile Phe Tyr Ala  
75 1 5  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 9  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
86 <400> SEQUENCE: 5  
88 Ala Ala Ala Pro Lys Ala Phe Tyr Ala  
89 1 5  
92 <210> SEQ ID NO: 6  
93 <211> LENGTH: 9  
94 <212> TYPE: PRT  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
100 <400> SEQUENCE: 6  
102 Ala Ala Ala Pro Lys Ile Phe Ala Ala  
103 1 5  
106 <210> SEQ ID NO: 7  
107 <211> LENGTH: 9  
108 <212> TYPE: PRT  
109 <213> ORGANISM: Artificial sequence  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
114 <400> SEQUENCE: 7  
116 Ala Ala Asp Pro Lys Ile Phe Tyr Ala  
117 1 5  
120 <210> SEQ ID NO: 8  
121 <211> LENGTH: 9  
122 <212> TYPE: PRT  
123 <213> ORGANISM: Artificial sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
128 <400> SEQUENCE: 8  
130 Ala Ala Asp Gly Lys Ile Phe Tyr Ala  
131 1 5  
134 <210> SEQ ID NO: 9  
135 <211> LENGTH: 9  
136 <212> TYPE: PRT  
137 <213> ORGANISM: Artificial sequence  
139 <220> FEATURE:  
140 <223> OTHER INFORMATION: Ala substituted variant of a human sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006

TIME: 13:31:47

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

142 <400> SEQUENCE: 9  
144 Ala Ala Asp Glu Lys Ile Phe Tyr Ala  
145 1 5  
148 <210> SEQ ID NO: 10  
149 <211> LENGTH: 9  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Artificial sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
156 <400> SEQUENCE: 10  
158 Ala Ala Gly Gly Lys Ile Phe Tyr Ala  
159 1 5  
162 <210> SEQ ID NO: 11  
163 <211> LENGTH: 9  
164 <212> TYPE: PRT  
165 <213> ORGANISM: Artificial sequence  
167 <220> FEATURE:  
168 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
170 <400> SEQUENCE: 11  
172 Ala Ala Gly Glu Lys Ile Phe Tyr Ala  
173 1 5  
176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 9  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Artificial sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
184 <400> SEQUENCE: 12  
186 Ala Leu Ala Pro Lys Ile Phe Tyr Ala  
187 1 5  
190 <210> SEQ ID NO: 13  
191 <211> LENGTH: 9  
192 <212> TYPE: PRT  
193 <213> ORGANISM: Artificial sequence  
195 <220> FEATURE:  
196 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
198 <400> SEQUENCE: 13  
200 Ala Met Ala Pro Lys Ile Phe Tyr Ala  
201 1 5  
204 <210> SEQ ID NO: 14  
205 <211> LENGTH: 9  
206 <212> TYPE: PRT  
207 <213> ORGANISM: Artificial sequence  
209 <220> FEATURE:  
210 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
212 <400> SEQUENCE: 14  
214 Ala Ala Ala Pro Lys Ile Phe Tyr Leu  
215 1 5  
218 <210> SEQ ID NO: 15

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006

TIME: 13:31:47

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

219 <211> LENGTH: 9  
220 <212> TYPE: PRT  
221 <213> ORGANISM: Artificial sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
226 <400> SEQUENCE: 15  
228 Ala Ala Ala Pro Lys Ile Ala Tyr Ala  
229 1 5  
232 <210> SEQ ID NO: 16  
233 <211> LENGTH: 9  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Homo sapiens  
237 <400> SEQUENCE: 16  
239 Lys Ala Ser Glu Lys Ile Phe Tyr Val  
240 1 5  
243 <210> SEQ ID NO: 17  
244 <211> LENGTH: 9  
245 <212> TYPE: PRT  
246 <213> ORGANISM: Artificial sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
251 <400> SEQUENCE: 17  
253 Ala Ala Ser Glu Lys Ile Phe Tyr Val  
254 1 5  
257 <210> SEQ ID NO: 18  
258 <211> LENGTH: 9  
259 <212> TYPE: PRT  
260 <213> ORGANISM: artificial sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
265 <400> SEQUENCE: 18  
267 Lys Ala Ala Glu Lys Ile Phe Tyr Val  
268 1 5  
271 <210> SEQ ID NO: 19  
272 <211> LENGTH: 9  
273 <212> TYPE: PRT  
274 <213> ORGANISM: Artificial sequence  
276 <220> FEATURE:  
277 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
279 <400> SEQUENCE: 19  
281 Lys Ala Ser Ala Lys Ile Phe Tyr Val  
282 1 5  
285 <210> SEQ ID NO: 20  
286 <211> LENGTH: 9  
287 <212> TYPE: PRT  
288 <213> ORGANISM: Artificial sequence  
290 <220> FEATURE:  
291 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
293 <400> SEQUENCE: 20

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006

TIME: 13:31:47

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

295 Lys Ala Ser Glu Ala Ile Phe Tyr Val  
296 1 5  
299 <210> SEQ ID NO: 21  
300 <211> LENGTH: 9  
301 <212> TYPE: PRT  
302 <213> ORGANISM: Artificial sequence  
304 <220> FEATURE:  
305 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
307 <400> SEQUENCE: 21  
309 Lys Ala Ser Glu Lys Ala Phe Tyr Val  
310 1 5  
313 <210> SEQ ID NO: 22  
314 <211> LENGTH: 9  
315 <212> TYPE: PRT  
316 <213> ORGANISM: Artificial sequence  
318 <220> FEATURE:  
319 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
321 <400> SEQUENCE: 22  
323 Lys Ala Ser Glu Lys Ile Ala Tyr Val  
324 1 5  
327 <210> SEQ ID NO: 23  
328 <211> LENGTH: 9  
329 <212> TYPE: PRT  
330 <213> ORGANISM: Artificial sequence  
332 <220> FEATURE:  
333 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
335 <400> SEQUENCE: 23  
337 Lys Ala Ser Glu Lys Ile Phe Ala Val  
338 1 5  
341 <210> SEQ ID NO: 24  
342 <211> LENGTH: 9  
343 <212> TYPE: PRT  
344 <213> ORGANISM: Artificial sequence  
346 <220> FEATURE:  
347 <223> OTHER INFORMATION: Ala substituted variant of a human sequence  
349 <400> SEQUENCE: 24  
351 Lys Ala Ser Glu Lys Ile Phe Tyr Ala  
352 1 5  
355 <210> SEQ ID NO: 25  
356 <211> LENGTH: 9  
357 <212> TYPE: PRT  
358 <213> ORGANISM: Homo sapiens  
360 <400> SEQUENCE: 25  
362 Tyr Met Asp Gly Thr Met Ser Gln Val  
363 1 5  
366 <210> SEQ ID NO: 26  
367 <211> LENGTH: 9  
368 <212> TYPE: PRT  
369 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 11/24/2006  
PATENT APPLICATION: US/10/523,306A               TIME: 13:31:48

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:33; Xaa Pos. 10

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82

Seq#:83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104

Seq#:105,106,107,108,109,110,111,112,113,114,115,116

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/523,306A

DATE: 11/24/2006

TIME: 13:31:48

Input Set : A:\LUD5739-US SEQUENCE LISTING.txt  
Output Set: N:\CRF4\11242006\J523306A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:449 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0